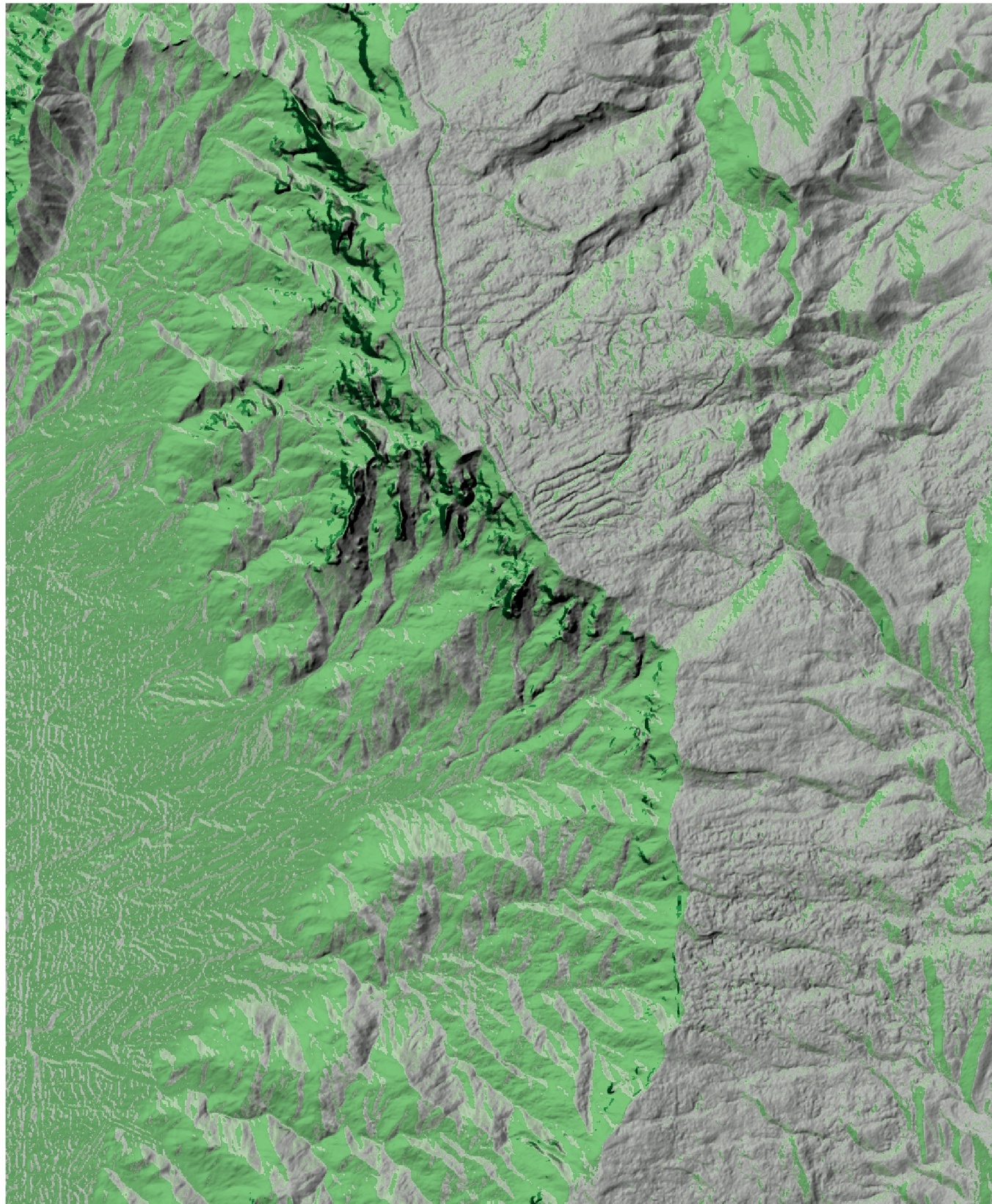


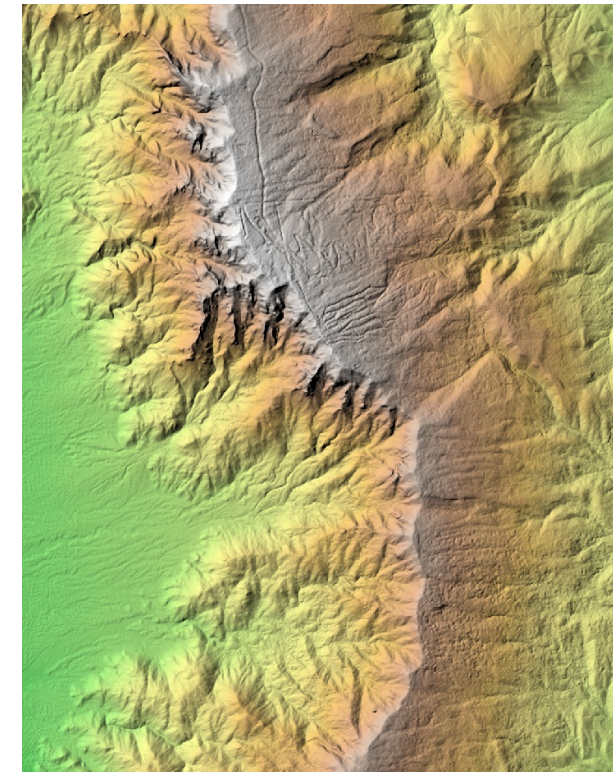
Habitat Suitability for Plant Species A in Sandia Mountains, NM



Suitability of Habitat

- Least Suitable
- Moderately Suitable
- Most Suitable

In this exercise I used a digital elevation model raster to determine suitable habitat for a plant species. Specifically, starting with a digital elevation model raster layer (.dem), I used the Raster Terrain Analysis Processing Tools to calculate the hillshade, slope and aspect. I used the reclassification tool to aggregate the continuous data from the slope and aspect rasters into categorical data that corresponded to suitable habitat for plant species A. Lastly, to determine habitat suitability while accounting for both slope and aspect, I performed a raster calculation where I added the reclassified slope and aspect raster layers together.



Elevation (m)

- 1775
- 1930
- 2115
- 2269
- 2486
- 2671
- 2888
- 3073
- 3255

Data Sources: Discover QGIS 3.x by Kurt Menke